

ABSTRACT OF THE DISCLOSURE**REDIRECTING CLIENT CONNECTION REQUESTS AMONG SOCKETS
PROVIDING A SAME SERVICE**

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A method, system, and program for redirecting client connection requests among sockets providing a same service are provided. An application requests multiple sockets from a kernel. In addition, the application generates a socket call option to bind the sockets to a particular port number and passes a list of the sockets to the kernel, where the list indicates that the sockets will

10 all provide access to server systems providing the same service. In response, the kernel sets up the sockets, bound to the same port, and set to reference one another. Then, when a connection request is received for a first socket in the list with a queue that is full, the kernel redirects the connection request to a second socket in the list with available queue space. Thus, rather than

15 drop the connection request from the first socket when it lacks available queue space, the connection request is redirected to another socket providing access to the same service.